

FIG. 1

OVERALL MICROARRAY PROCESS

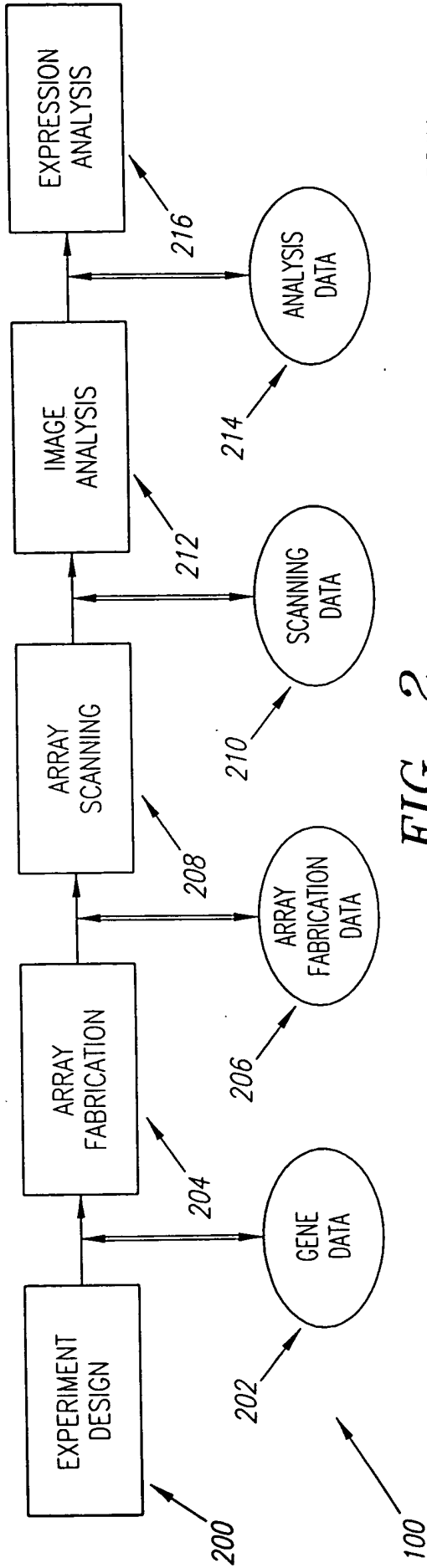


FIG. 2

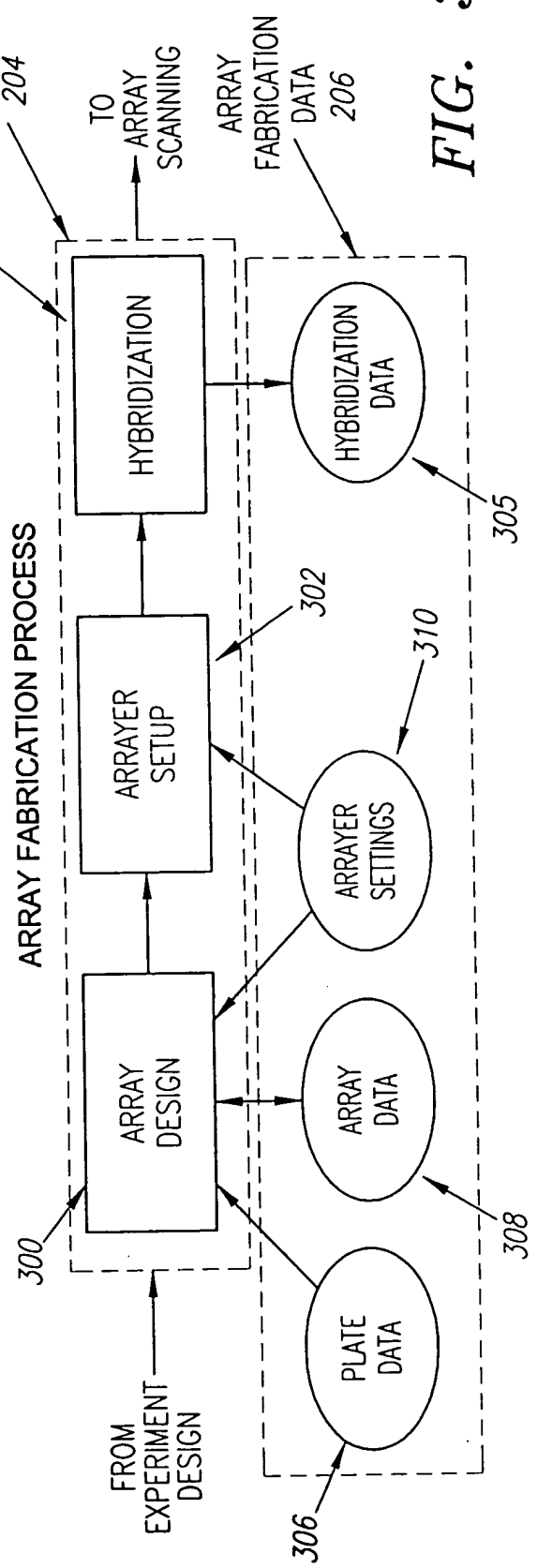
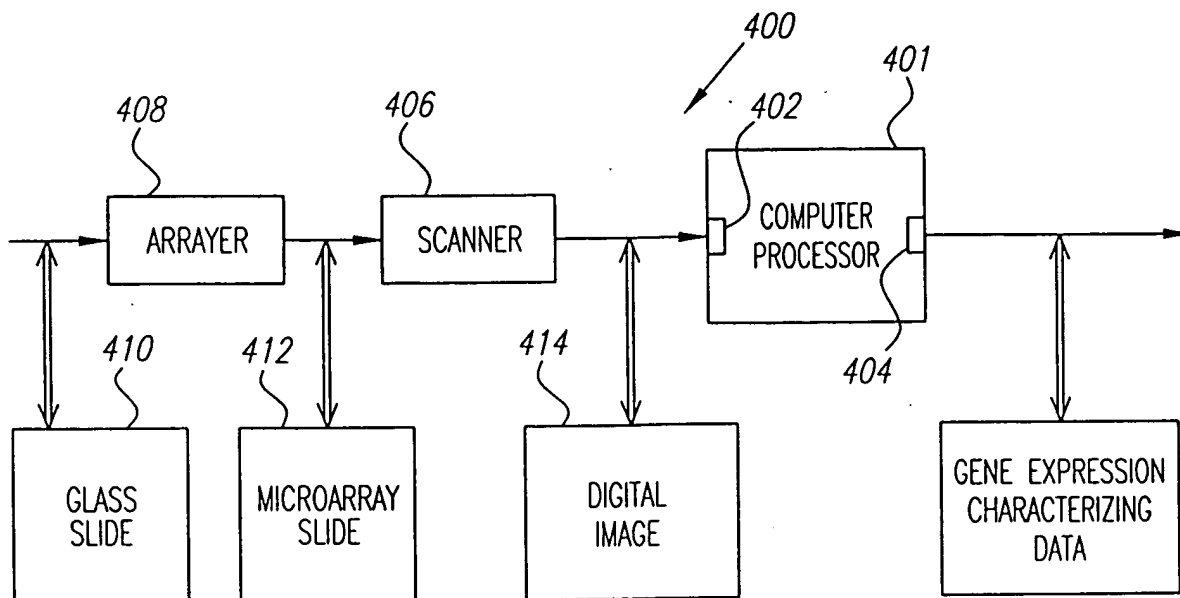
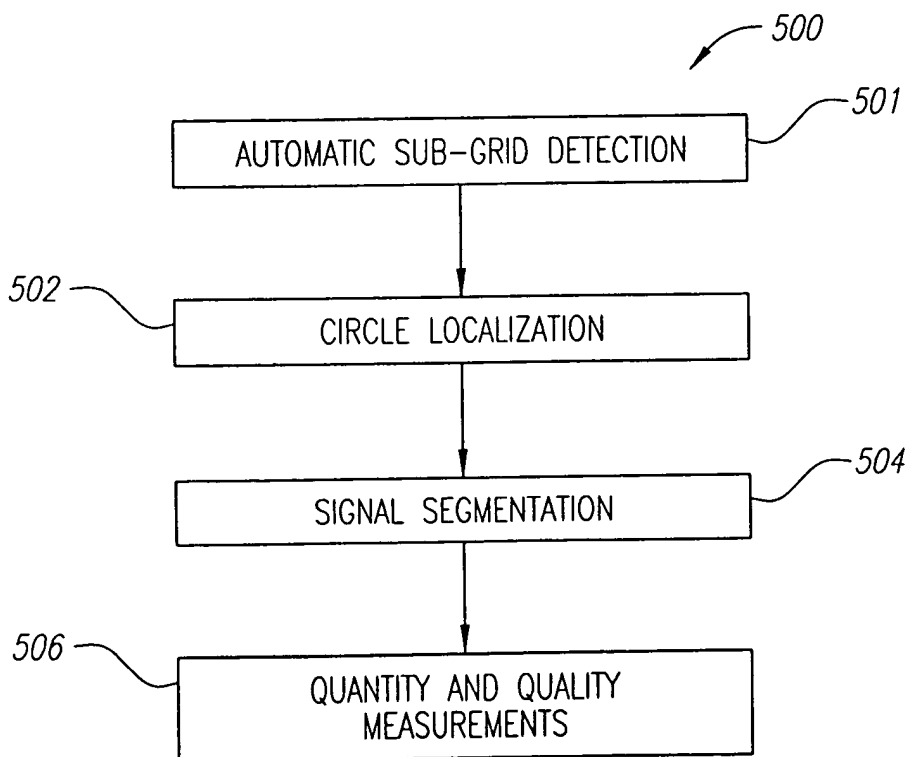
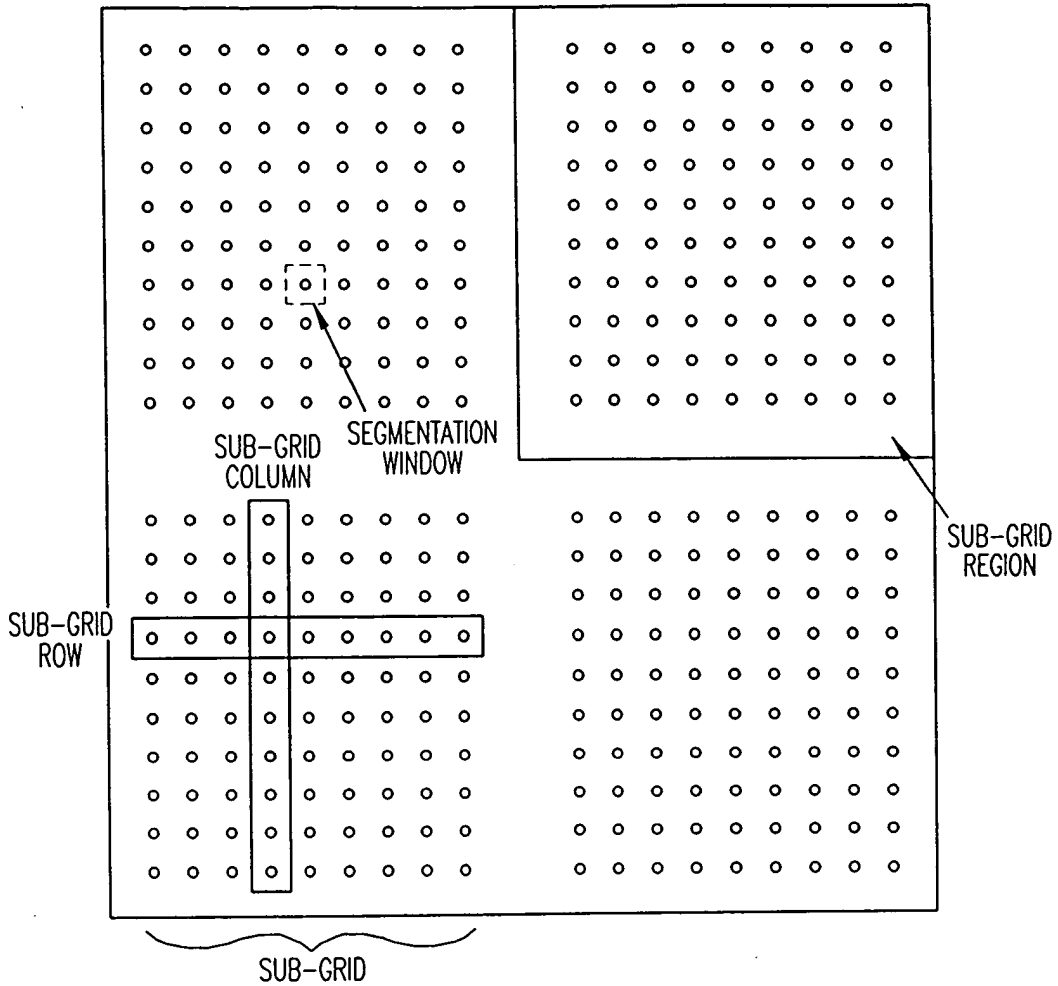


FIG. 3

*FIG. 4**FIG. 5*



2 x 2 MICROARRAY

FIG. 6

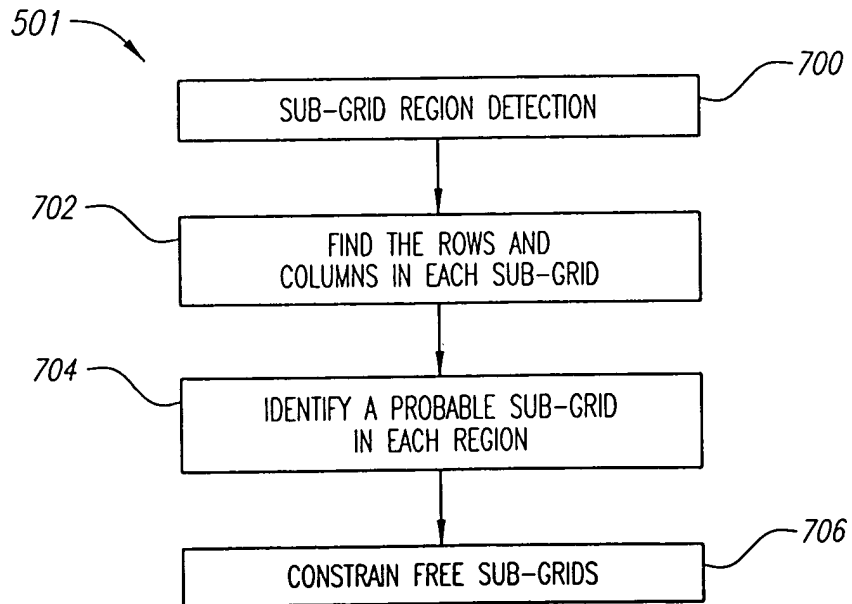


FIG. 7

SUB-GRID REGION DETECTION

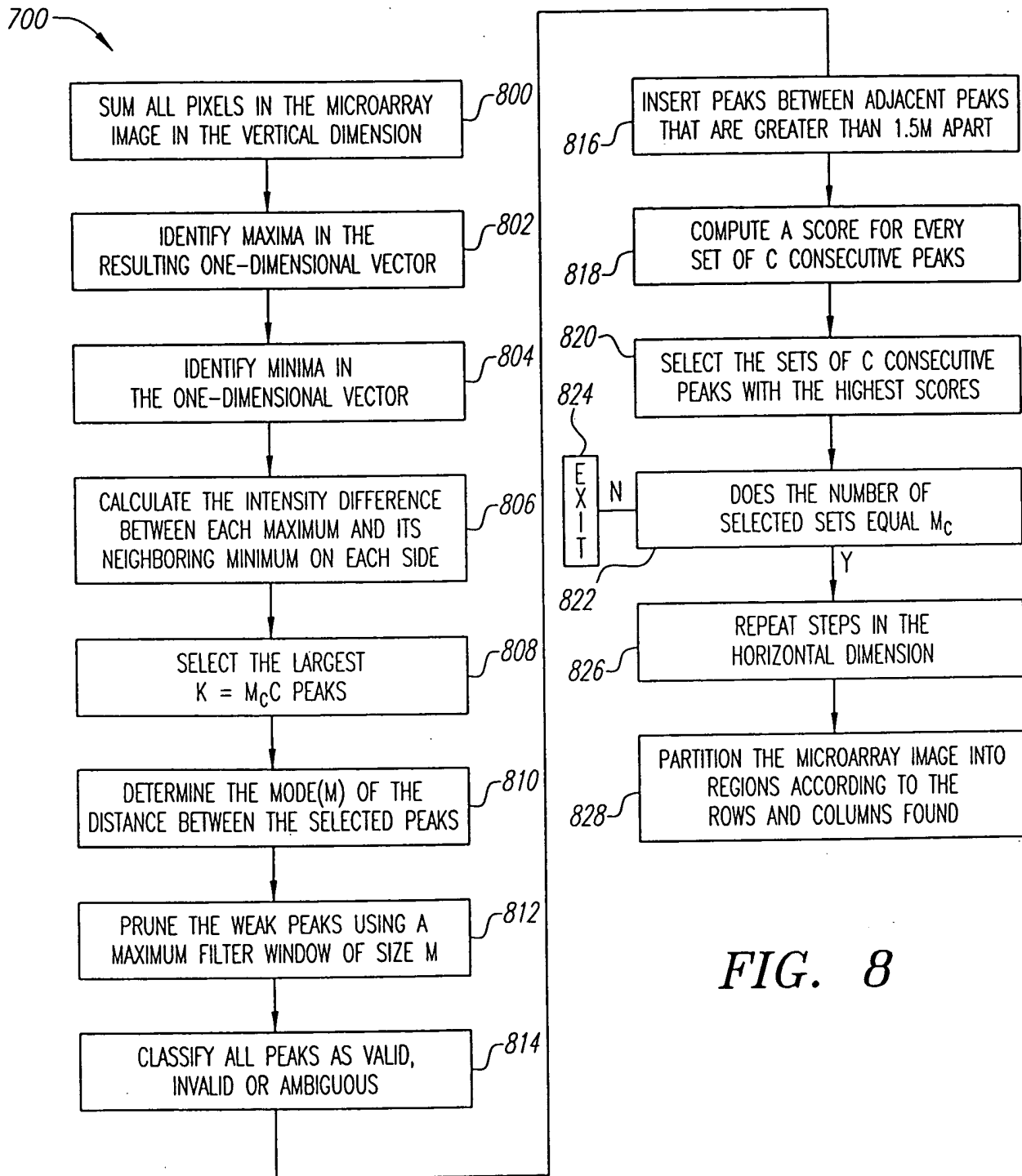


FIG. 8

SUB-GRID ROWS AND COLUMNS DETECTION

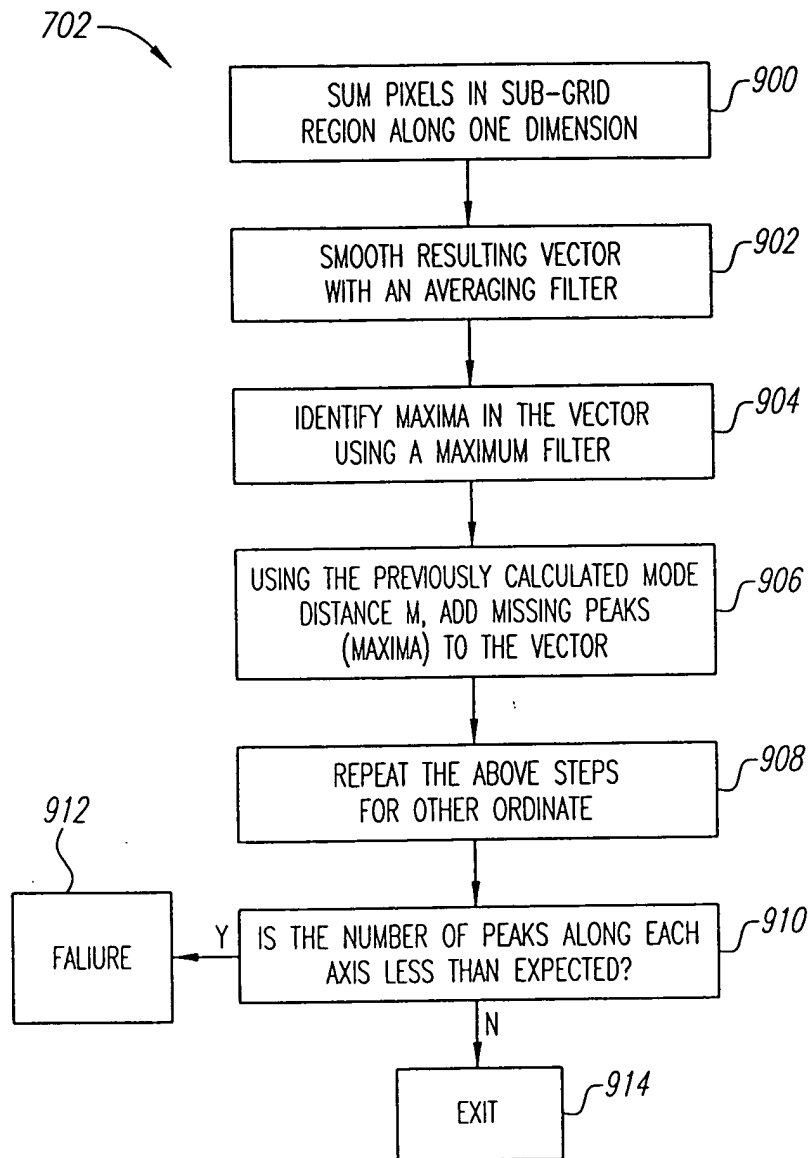


FIG. 9

IDENTIFYING SUB-GRIDS IN EACH SUB-GRID REGION

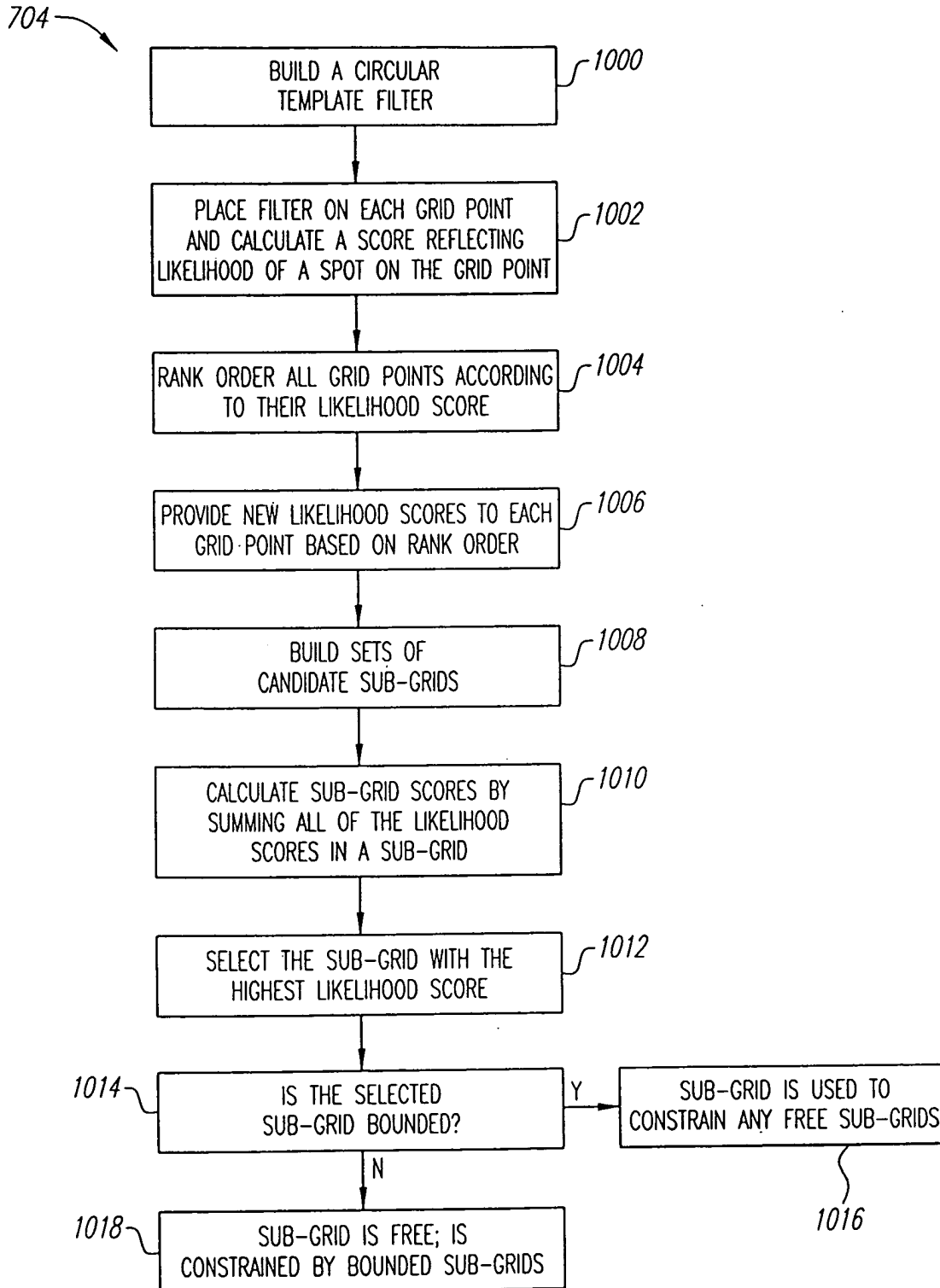


FIG. 10

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CIRCLE LOCALIZATION

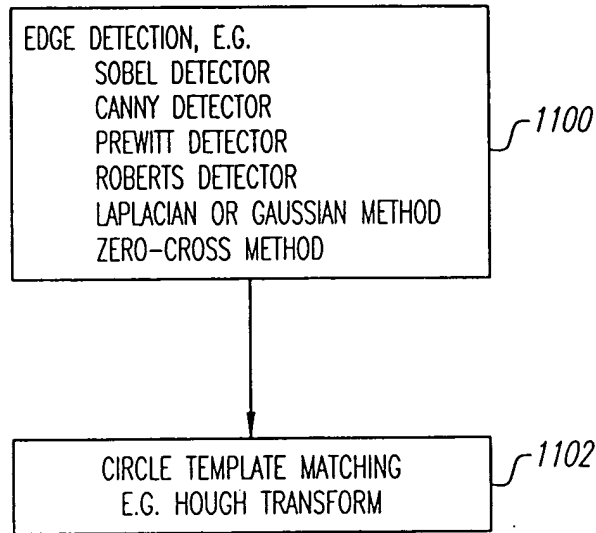
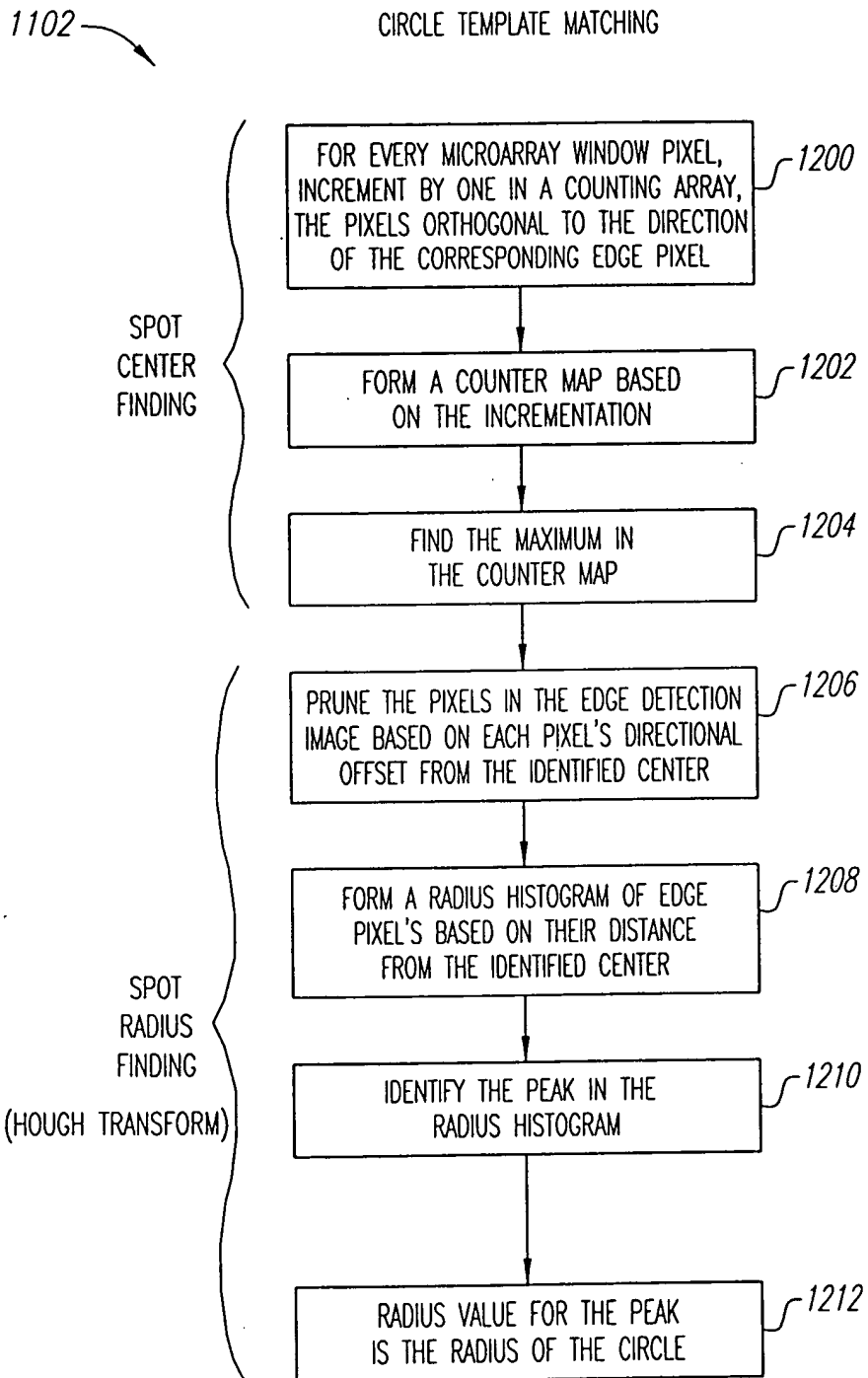
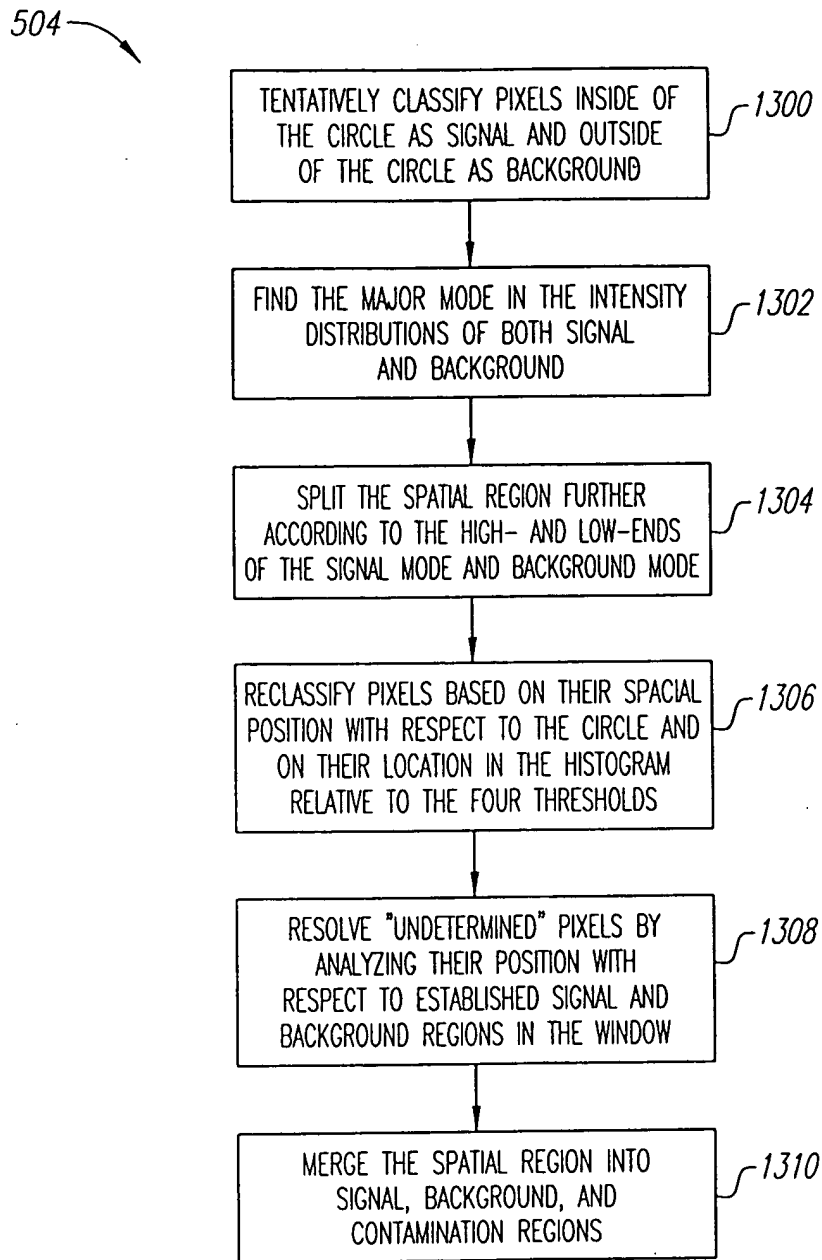


FIG. 11

**FIG. 12**

*FIG. 13*

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MAJOR MODE FINDING

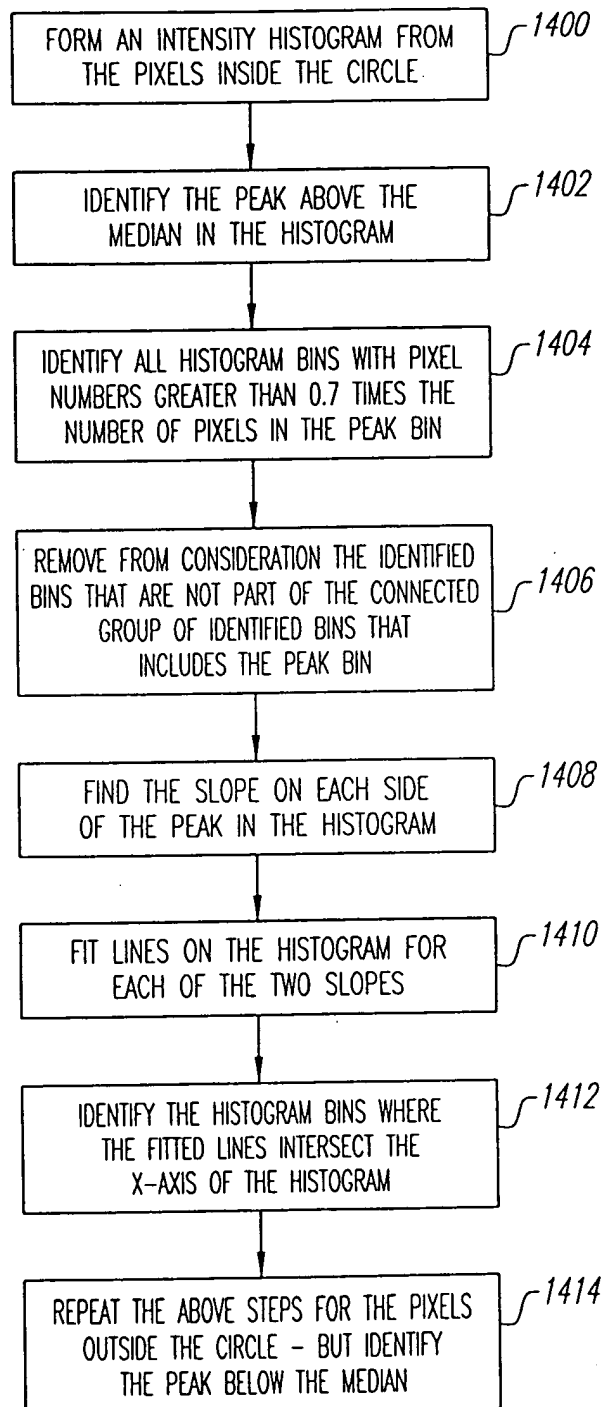


FIG. 14

SIGNAL HISTOGRAM

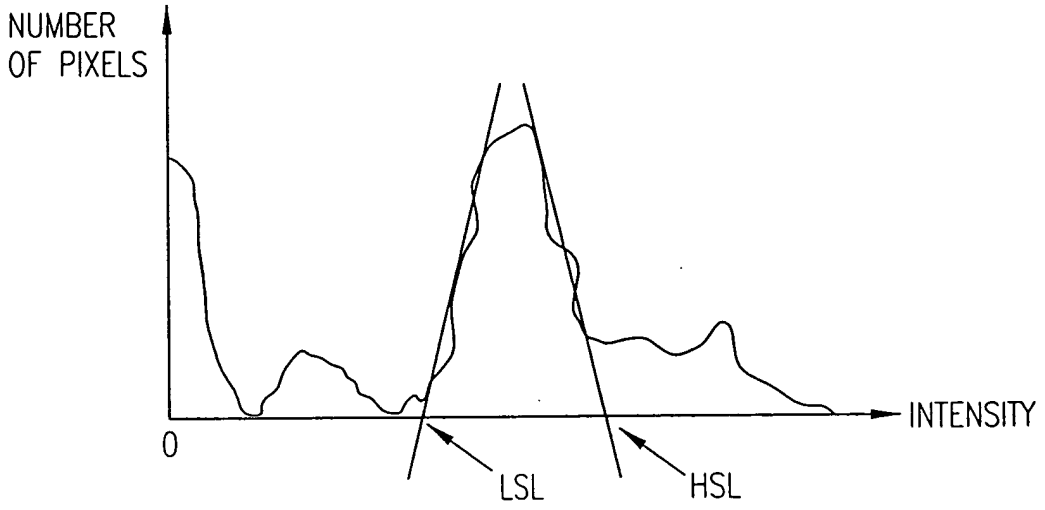


FIG. 15A

BACKGROUND HISTOGRAM

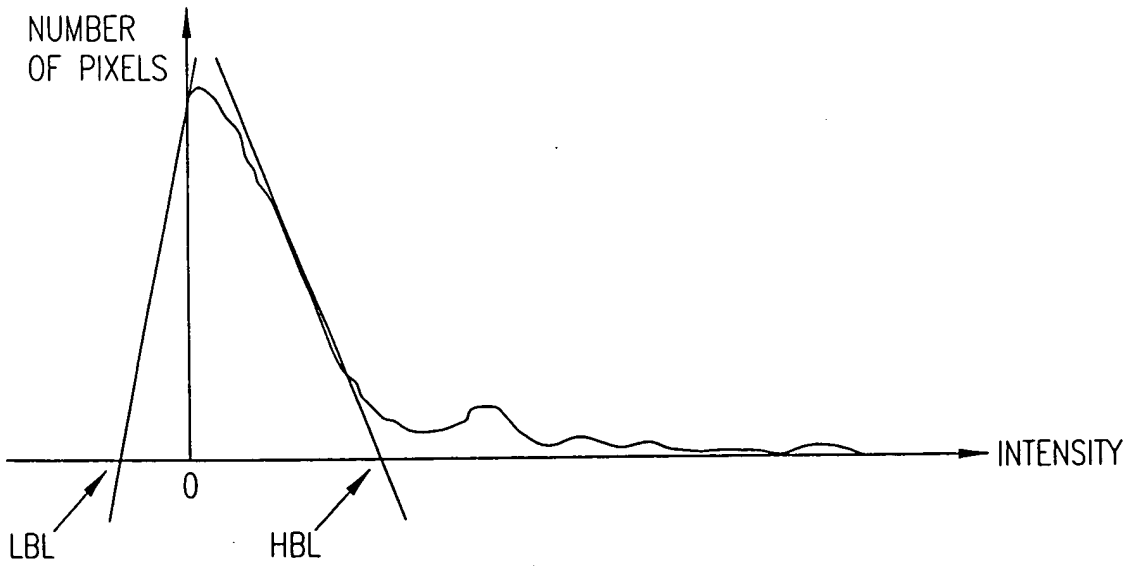


FIG. 15B

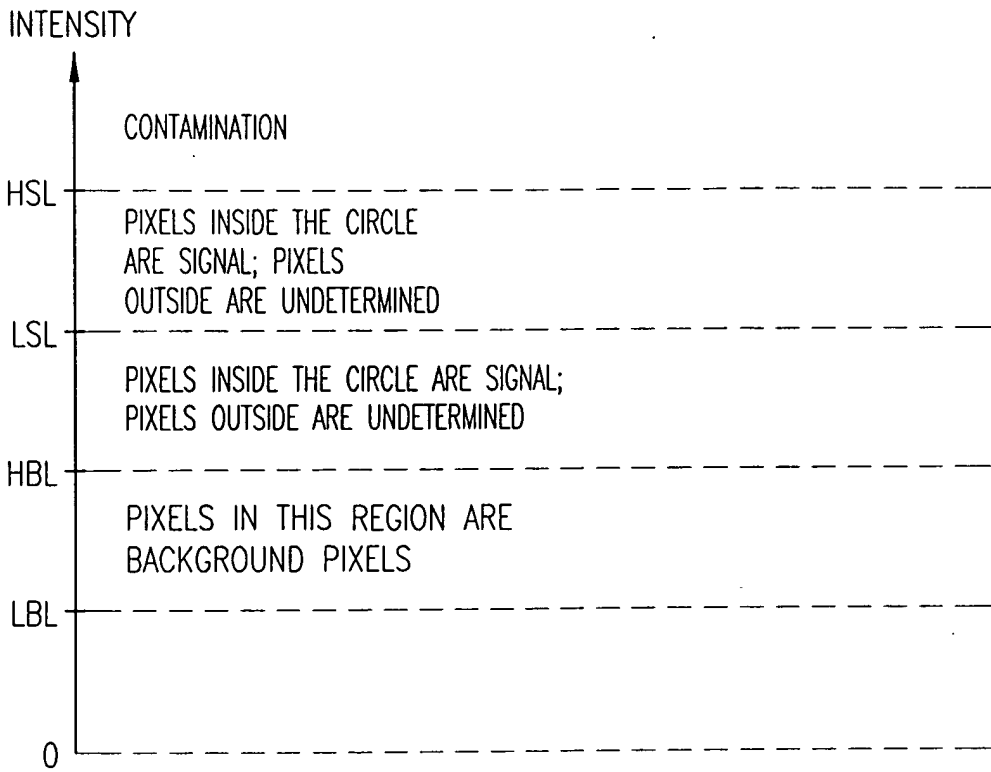


FIG. 16A

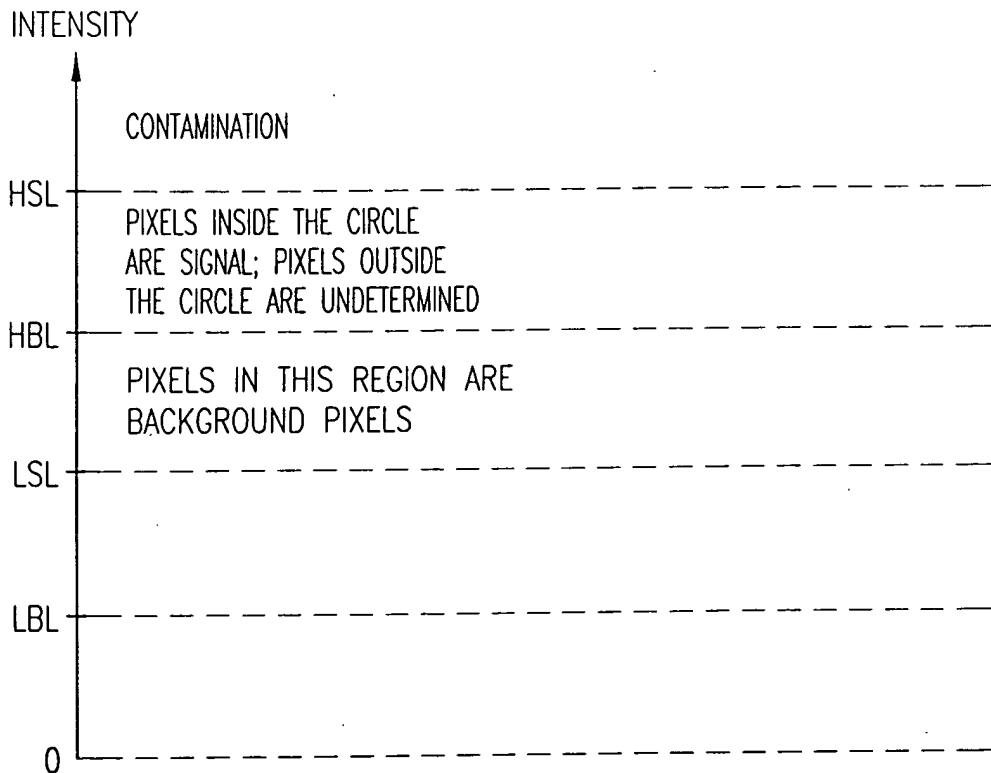


FIG. 16B

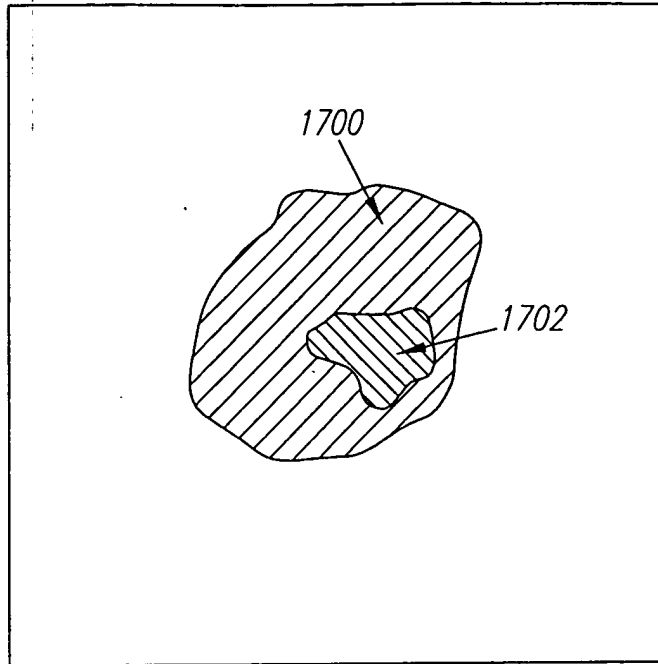


FIG. 17A

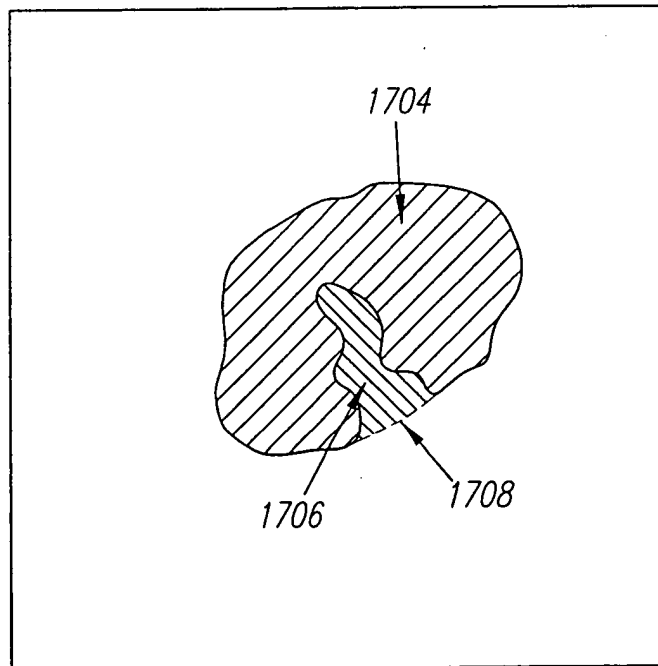


FIG. 17B